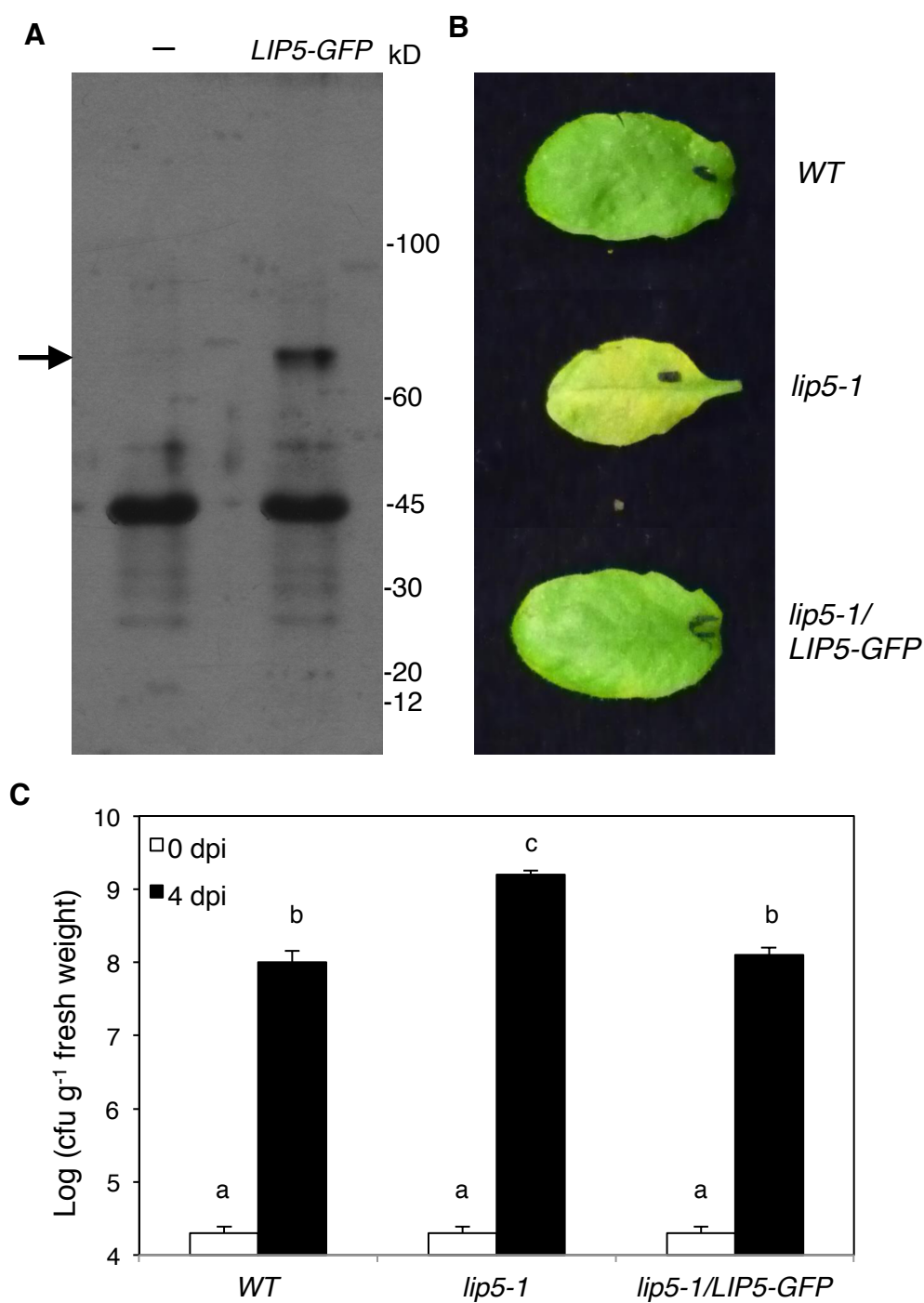


Figure S11



**Figure S11.** Activity of LIP5-GFP in plant disease resistance.

**(A)** Western blotting analysis of LIP5-GFP fusion protein. Total proteins were isolated from untransformed Arabidopsis (-) or transgenic LIP5-GFP plants and subjected to western blot analysis using an anti-GFP monoclonal antibody. The antibody detected a protein band with molecular mass expected to be that of LIP5-GFP from transgenic LIP5-GFP plants. Other proteins detected by the antibody due to nonspecific binding are present in both untransformed Arabidopsis and transgenic *LIP5-GFP* plants.

**(B)** Disease symptom development. Wild type (WT), *lip5-1* and *lip5-1/LIP5-GFP* plants were infiltrated with a suspension of *Pst*DC3000 ( $OD_{600}=0.0002$  in 10 mM  $MgCl_2$ ). Pictures of representative inoculated leaves taken at 4 dpi.

**(C)** Bacterial growth. Pathogen inoculation of wild-type and mutant plants was performed as in **A**. Samples were taken at 0 or 4 dpi to determine the bacterial growth. The means and standard errors were calculated from 10 plants for each mutant. According to Duncan's multiple range test ( $P=0.05$ ), means of colony-forming units (cfu) do not differ if they are indicated with the same letter.